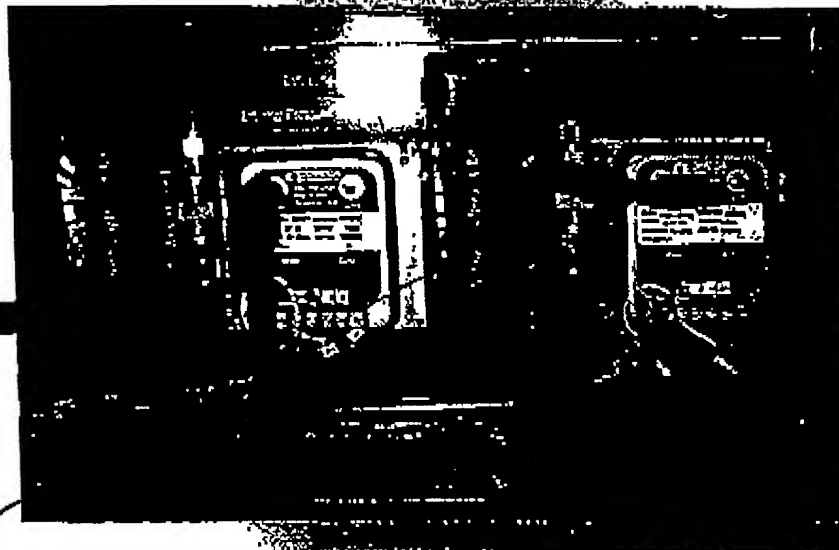


Mechanical Lung (Rear View)



Inhalation

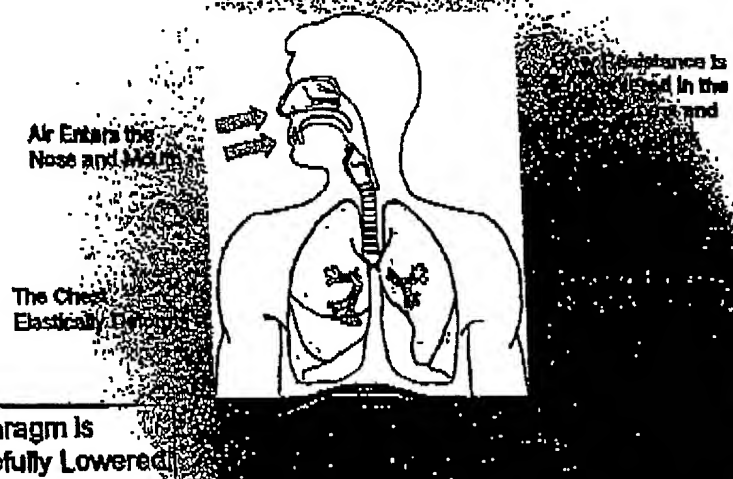


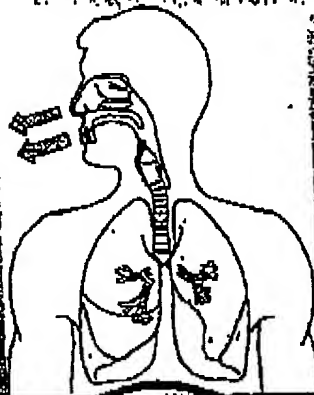
FIG. 1

Exhalation

Air Exits the
Nose and Mouth

The Chest Returns
to Its Un-Deformed
Position

The Diaphragm
is Relaxed (Passive)



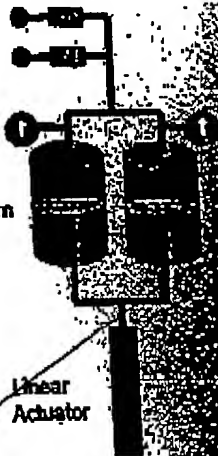
Resistance is
maintained in the
chest and
abdomen

FIG. 2

Respiration Control

Diaphragm

Linear
Actuator



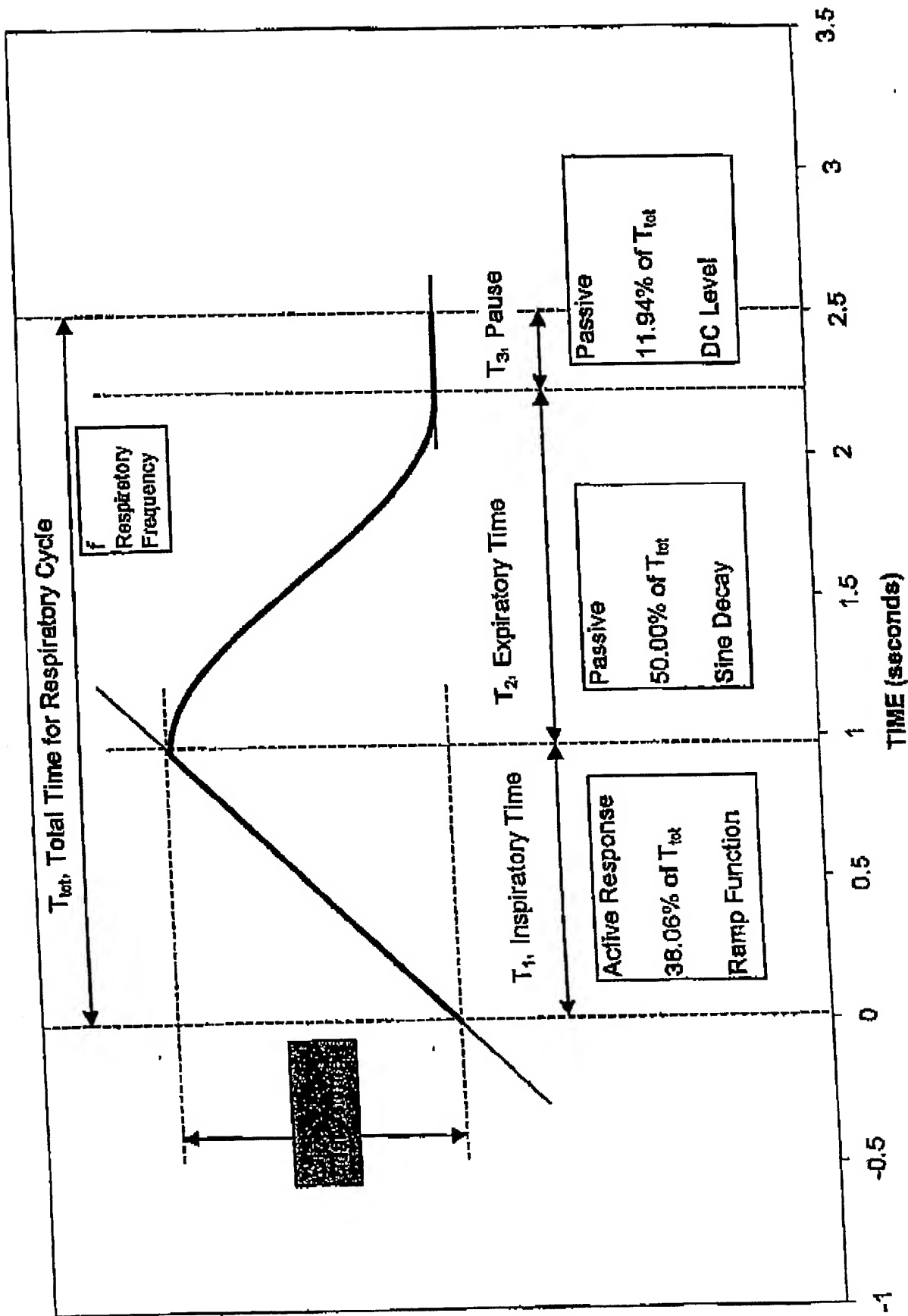


FIG. 3

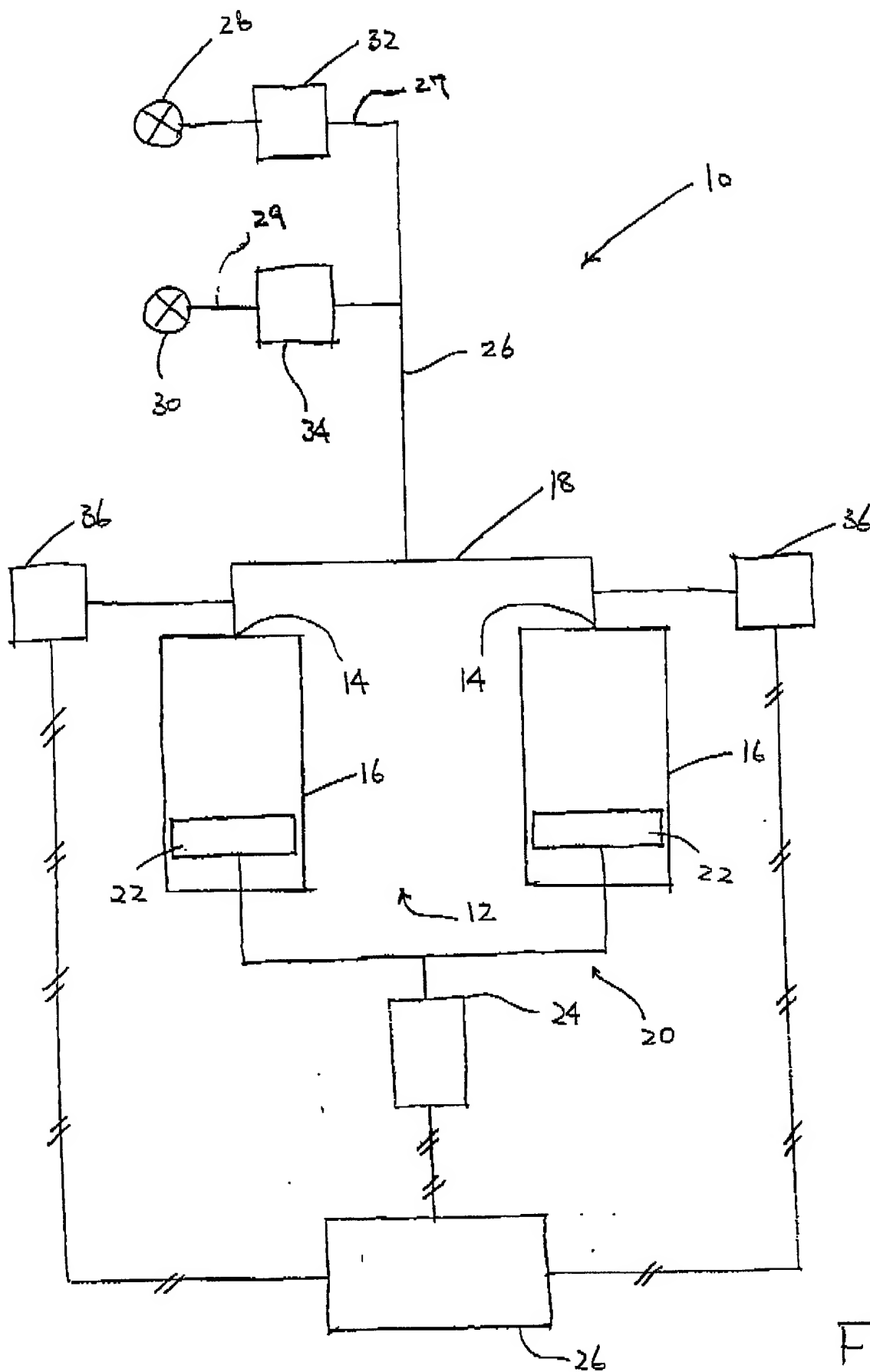
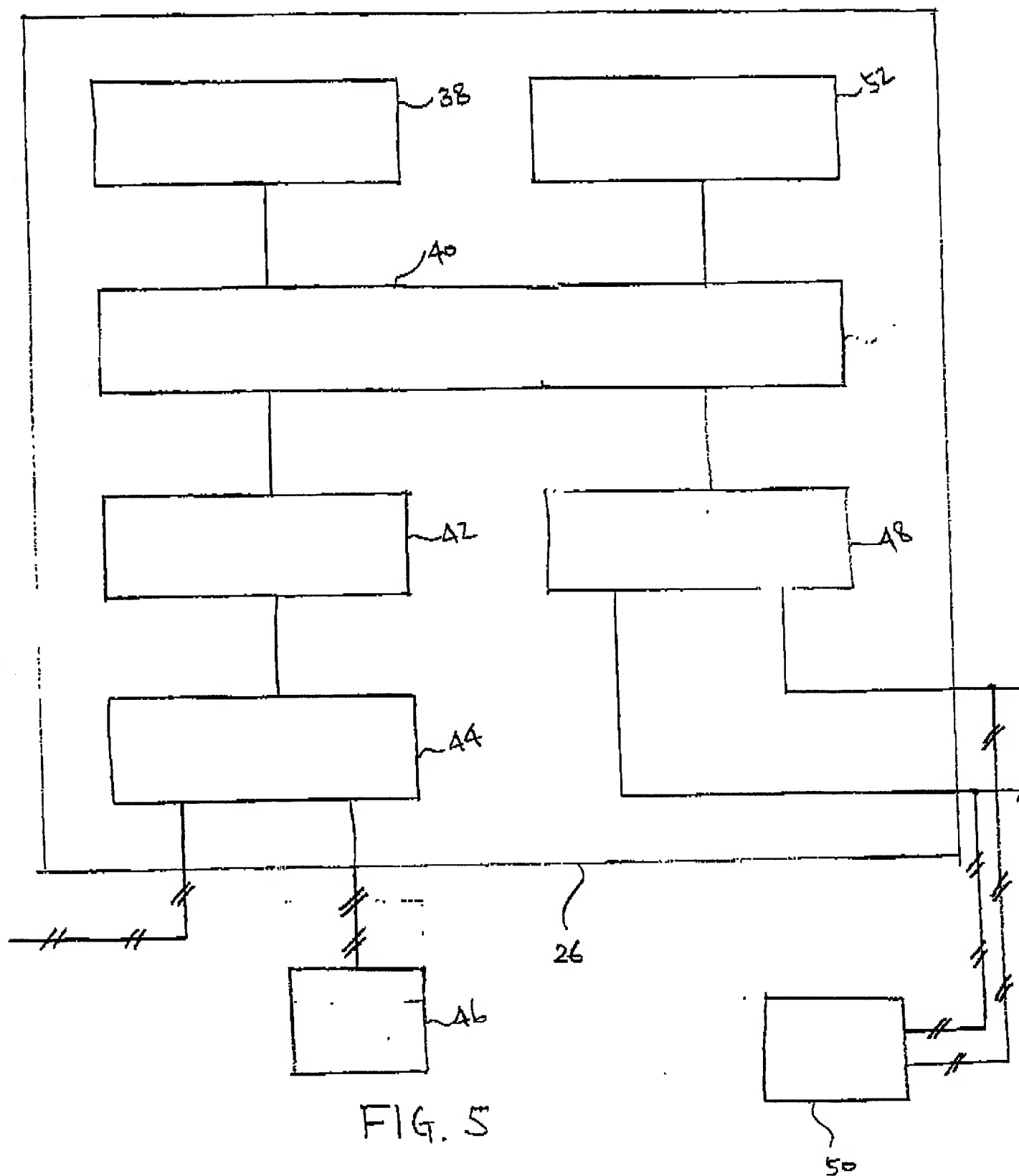


FIG. 4

FIG. 5 is a block diagram of a system for controlling a vehicle.



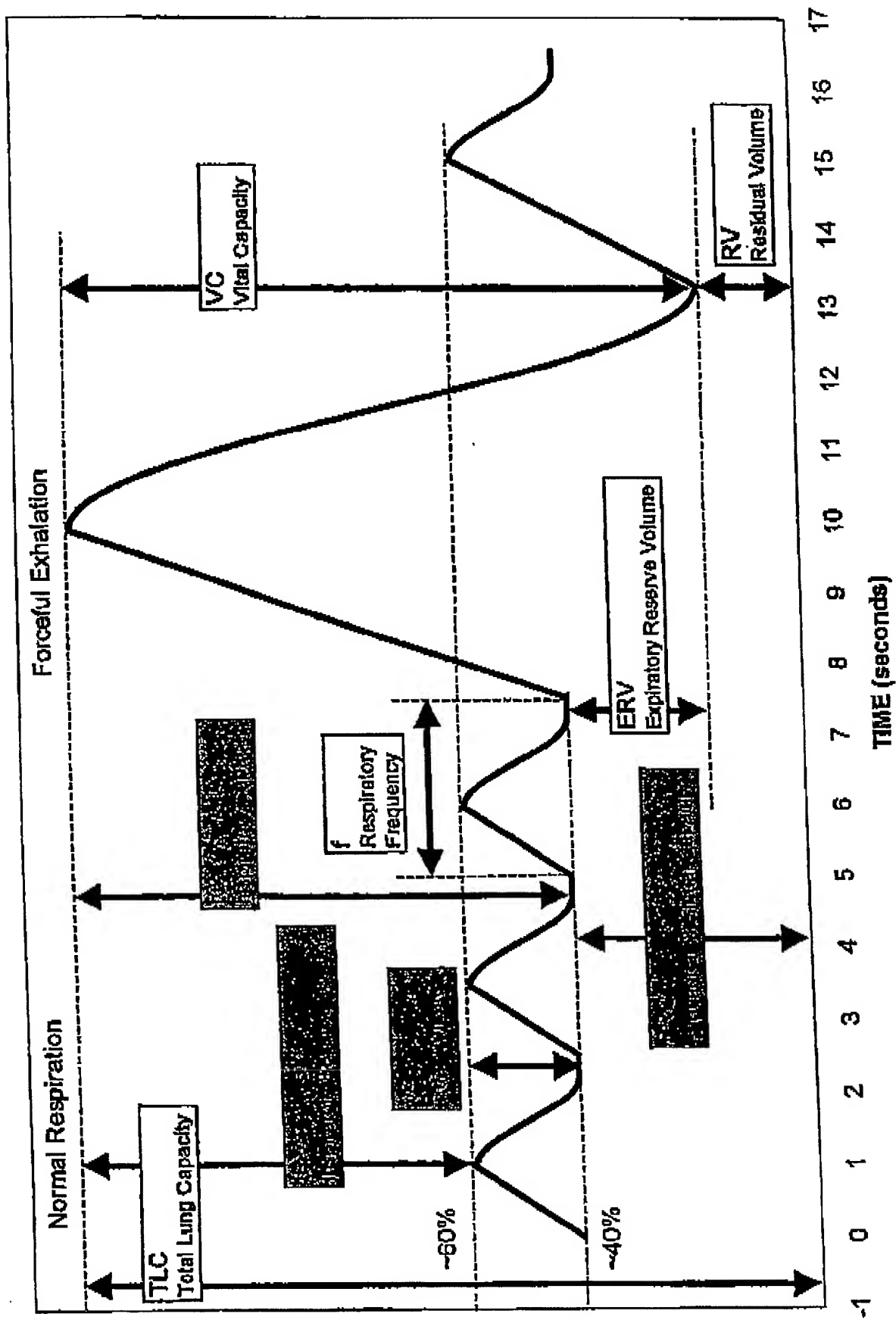


FIG. 6

75

Manikin Connections

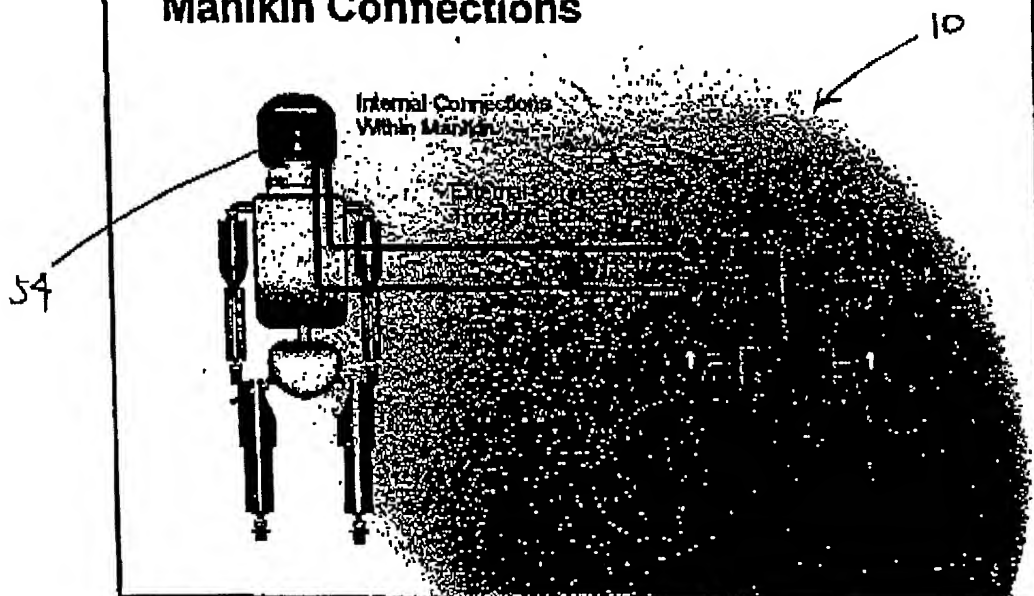


FIG. 8

Manikin Connections

